

LISTING OF CLAIMS

This listing of claims will replace all prior versions in the application:

1. (currently amended) An SC cut crystal resonator, wherein a surface of a quartz crystal orthogonal to a Y axis thereof is rotated through 33° to 35° about an X axis, and is then rotated from this rotated position through 22° to 24° about a Z axis, and a slender quartz crystal blank oblong in an X' axis direction is cut from the rotated surface, and an end surface of said quartz crystal blank orthogonal to a Z' axis, has a tilt angle tilted in a direction rotated through a predetermined angle about the X' axis, wherein said tilt angle is between -7° and -13° .
 2. (currently amended) An SC cut crystal resonator, wherein a surface of a quartz crystal orthogonal to a Y axis thereof is rotated through 33° to 35° about an X axis, and is then rotated from this rotated position through 22° to 24° about a Z axis, and a slender quartz crystal blank oblong in an X' axis direction is cut from the rotated surface, and an end surface of said quartz crystal blank orthogonal to a Z' axis, has a tilt angle tilted in a direction rotated through a predetermined angle about the X' axis, An SC cut crystal resonator according to claim 1, wherein said tilt angle is between $+7^{\circ}$ and $+13^{\circ}$.
- 3-5 (canceled)